

Title (en)

CONNECTOR WITH STRUCTURAL REINFORCEMENT AND BIOCOMPATIBLE FLUID PASSAGEWAY

Title (de)

VERBINDER MIT STRUKTURELLER VERSTÄRKUNG UND EINER BIOKOMPATIBLEN FLÜSSIGKEITSSTRECKE

Title (fr)

RACCORD À RENFORT STRUCTUREL ET PASSAGE DE FLUIDE BIOCOMPATIBLE

Publication

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Application

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Priority

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Abstract (en)

[origin: US2014260564A1] A connector with a biocompatible fluid passageway and method for manufacturing thereof is described. The biocompatible connector may be used in an analytical instrument (AI) system as a union, an adapter, a tee, a cross, a manifold, a valve, or for other fittings or components. The connector has a reinforcement insert and a biocompatible molding covering portions of the reinforcement insert. The reinforcement insert has a first portion, a second portion, and a middle portion between the first portion and the second portion. The first and second portions have threaded sections and each have a plurality of non-threaded sections. For a given portion, the junction of the non-threaded sections forms a lip by which to prevent the molded material from flowing into the threaded sections. In certain embodiments, an interior web is used in the reinforcement insert to provide additional structural support.

IPC 8 full level

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